

Amendments to the Claims:

Please amend claims 1 and 7 as indicated below.

Please cancel claim 5 without prejudice.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An arrangement for visual and quantitative three-dimensional examination of specimens, comprising:

- a stereomicroscope that defines a first and a second observation beam path, the stereomicroscope including an objective and a tube lens disposed in at least one of the observation beam paths,
- a confocal scanning device connected to the stereomicroscope thereby providing a scanning beam path wherein the confocal scanning device scans a specimen that is to be examined and acquires data for a three-dimensional visual depiction of the specimen, and
- an optical coupling-in element configured to couple the scanning beam path into at least one of the observation beam paths at a coupling-in region,

wherein the tube lens is disposed between the coupling-in region and the objective, and wherein the first and second observation beam paths and the scanning beam path are together imaged by the objective of the stereomicroscope onto the specimen to be examined.

Claim 2 (previously presented): The arrangement as defined in Claim 1, wherein the confocal scanning device is mounted on the stereomicroscope.

Claim 3 (canceled)

Claim 4 (original): The arrangement as defined in Claim 1, wherein the stereomicroscope is equipped with a camera port at which the confocal scanning device couples the scanning beam path into the stereomicroscope.

Claim 5 (canceled)

Claim 6 (original): The arrangement as defined in Claim 1, wherein the confocal scanning device is connected to a computer that analyzes the image data acquired by the confocal scanning device and displays them on a display.

Claim 7 (currently amended): A stereomicroscope for visual and quantitative three-dimensional examination of specimens, comprising:

- an objective,
- a first and a second eyepiece, wherein the objective and the first and second eyepiece defines a first and a second observation beam path,
- a tube lens disposed in at least one of the observation beam paths,
- a confocal scanning device connected to the stereomicroscope thereby providing a scanning beam path wherein the confocal scanning device scans a specimen that is to be examined and acquires data for a three-dimensional visual depiction of the specimen, and
- an optical coupling-in element configured to couple the scanning beam path into at least one of the observation beam paths at a coupling-in region,

wherein the tube lens is disposed between the coupling-in region and the objective, and wherein the first and second observation beam paths and the scanning beam path are together imaged by the objective of the stereomicroscope onto the specimen to be examined.

Claim 8 (original): The stereomicroscope as defined in Claim 7, wherein scanning beam path provided by the confocal scanning device scans the specimen through the objective.

Claim 9 (canceled)

Claim 10 (previously presented): The stereomicroscope as defined in Claim 8, wherein a camera port is provided at which the confocal scanning device is coupled to the stereomicroscope.

Claim 11 (previously presented): The stereomicroscope as defined in Claim 7, wherein the confocal scanning device is connected to a computer that analyzes the image data acquired by the confocal scanning device and displays them on a display.